Chart 11301 NM 14/02

BROWNSVILLE AND PORT ISABEL HARBORS CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BRAZOS SANTIAGO PASS:							
ENTRANCE CHANNEL	42.0	40.0	39.0	8-01	300	1.7	44
LAGUNA MADRE CHANNEL	36.0	41.0	35.0	12-01	250	2.5	42
BROWNSVILLE SHIP CHANNEL:							
JUNCTION BASIN TO BOCA CHICA PASSING BASIN	39.0	40.0	40.0	12-01	250	3.5	42
BOCA CHICA PASSING BASIN TO GOOSE I. PASSING BASIN	39.0	41.0	38.0	12-01	250	4.7	42
GOOSE I. PASSING BASIN TO BROWNSVILLE TURNING BASIN	42.0	43.0	42.0	12-01	300	2.4	42
BROWNSVILLE TURNING BASIN	31.0	36.0	35.0	12-01	500-1200	1.7	42-36
PORT ISABEL CHANNEL:							
JUNCTION TO TURNING BASIN (INCLUDING WIDENER AT JUNCTION)	37.0	37.0	36.0	9-01	200	1.0	36
PORT ISABEL TURNING BASIN	36.0	37.0	35.0	9-01	1000	0.2	36
CUT OFF CHANNEL	37.0	37.0	37.0	9-01	200	0.9	36

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11302 (Side B) NM 14/02

BROWNSVILLE AND PORT ISABEL HARBORS CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BRAZOS SANTIAGO PASS:							
ENTRANCE CHANNEL	42.0	40.0	39.0	8-01	300	1.7	44
LAGUNA MADRE CHANNEL	36.0	41.0	35.0	12-01	250	2.5	42
BROWNSVILLE SHIP CHANNEL:							
JUNCTION BASIN TO BOCA CHICA PASSING BASIN	39.0	40.0	40.0	12-01	250	3.5	42
BOCA CHICA PASSING BASIN TO GOOSE I. PASSING BASIN	39.0	41.0	38.0	12-01	250	4.7	42
GOOSE I. PASSING BASIN TO BROWNSVILLE TURNING BASIN	42.0	43.0	42.0	12-01	300	2.4	42
BROWNSVILLE TURNING BASIN	31.0	36.0	35.0	12-01	500-1200	1.7	42-36
PORT ISABEL CHANNEL:							
JUNCTION TO TURNING BASIN (INCLUDING WIDENER AT JUNCTION)	37.0	37.0	36.0	9-01	200	1.0	36
PORT ISABEL TURNING BASIN	36.0	37.0	35.0	9-01	1000	0.2	36
CUT OFF CHANNEL	37.0	37.0	37.0	9-01	200	0.9	36

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11309 NM 14/02

PORT ARANSAS AND ARANSAS PASS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2002

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)

NAME OF CHANNEL	DEPTH MLLW (FEET)	WIDTH (FEET)	DATE OF SURVEY
PORT ARANSAS			
ENTRANCE CHANNEL	6.0	100	11-00
TURNING BASIN	7.0	200-400	11-00
ARANSAS PASS			
ARANSAS CHANNEL	9.1	125-175	10-01
TURNING BASIN	14.0	300	3-01
CONNECTING CHANNEL	14.0	125	3-01
CONN BROWN HARBOR	14.0	50-510	3-01

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE

Chart 11314 (Side A) NM 14/02

PORT ARANSAS AND ARANSAS PASS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2002

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)

NAME OF CHANNEL	DEPTH MLLW (FEET)	WIDTH (FEET)	DATE OF SURVEY
PORT ARANSAS			
ENTRANCE CHANNEL	6.0	100	11-00
TURNING BASIN	7.0	200-400	11-00
ARANSAS PASS			
ARANSAS CHANNEL	9.1	125-175	10-01
TURNING BASIN	14.0	300	3-01
CONNECTING CHANNEL	14.0	125	3-01
CONN BROWN HARBOR	14.0	50-510	3-01

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE

Chart 11316 NM 14/02

MATAGORDA SHIP CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2002

	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
SEA BAR AND JETTY CHANNEL	41.0	41.0	41.0	10-01	300	3.21	38
THENCE TO LIGHT 48	32.0	36.0	34.0	8-01	300-200	10.84	36
THENCE TO LIGHT 76	15.0	28.0	27.0	1-02	200	7.42	36
THENCE TO POINT COMFORT TURNING BASIN	38.0	37.0	36.0	1-02	200-399	0.98	36
TURNING BASIN	38.0	38.0	38.0	10-01	1000	0.17	36

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11317 NM 14/02

MATAGORDA SHIP CHANNEL

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2002

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
SEA BAR AND JETTY CHANNEL	41.0	41.0	41.0	10-01	300	3.21	38
THENCE TO LIGHT 48	32.0	36.0	34.0	8-01	300-200	10.84	36
THENCE TO LIGHT 76	15.0	28.0	27.0	1-02	200	7.42	36
THENCE TO POINT COMFORT TURNING BASIN	38.0	37.0	36.0	1-02	200-399	0.98	36
TURNING BASIN	38.0	38.0	38.0	10-01	1000	0.17	36

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11325 NM 14/02

HOUSTON SHIP CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2002

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT).						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
HOUSTON SHIP CHANNEL: EXXON OIL CO. SLIP TO CARPENTERS BAYOU (A)	38.0	39.0	39.0	37.0	10-01	400-525	4.90	40
THENCE TO GREENS BAYOU (B)	33.0	39.0	33.0	21.0	6-01	400-300	4.70	40
GREENS BAYOU CHANNEL (TO FIRST BEND)	25.0	26.0	30.0	37.0	10-01	500-175	0.34	36
THENCE TO HUNTING BAYOU (UPPER BEND)	38.0	42.0	42.0	40.0	12-01	300	1.91	40
TURNING POINT AT HUNTING BAYOU	39.0	42.0	42.0	41.0	6-01	600	0.17	40
THENCE TO SOUTHERN PACIFIC SLIP	38.0	40.0	41.0	37.0	1-02	300	3.04	40
TURNING POINT AT SIMS BAYOU	41.0	41.0	41.0	41.0	1-02	700	0.26	40
THENCE TO HOUSTON TURNING BASIN WHARF 15	37.0	38.0	38.0	37.0	11-01	300	2.69	36
TURNING POINT AT BRADY ISLAND	31.0	33.0	39.0	38.0	6-01	422	0.17	36
HOUSTON TURNING BASIN	36.0	37.0	37.0	35.0	11-01	250-1000	0.70	36
UPPER TURNING BASIN	35.0	37.0	37.0	38.0	11-01	150	0.23	36

A. CHANNEL WIDENS 125 FEET IN LEFT OUTSIDE QUARTER IN VICINITY OF EXXON OIL CO.

B. CHANNEL NARROWS IN VICINITY OF THE SHELL OIL CO. SLIP.

INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11342 NM 14/02

SABINE PASS - SABINE - NECHES CANAL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
SABINE PASS:								
OUTER BAR CHANNEL	42	42	42	42	6-01	800	3.0	42
JETTY CHANNEL	39	42	42	35	10-01	800-500	3.5	40
PASS CHANNEL	21	26	39	24	10-01	500-1150	4.9	40
ANCHORAGE BASIN	32	19	13	6	6-01	1500	0.5	40
PORT ARTHUR SHIP CANAL	34	39	37	31	11-01	500	4.8	40
JUNCTION PORT ARTHUR-SABINE NECHES CANALS	21	31	26	25	11-01	400-1200	1.1	40
ENTRANCE TO PORT ARTHUR TURNING BASINS	31	35	36	33	6-01	282-735	0.2	40
EAST TURNING BASIN	35	36	36	37	6-01	370-547	0.3	40
WEST TURNING BASIN	34	35	37	36	6-01	350-735	0.3	40
CHANNEL CONNECTING WEST BASIN AND TAYLOR BAYOU TURNING BASIN	38	38	37	35	6-01	200-350	0.5	40
TAYLOR BAYOU TURNING BASIN	37	39	40	35	6-01	90-1233	0.6	40
SABINE-NECHES CANAL:								
PORT ARTHUR TO NECHES RIVER	23	34	32	23	11-01	400	9.6	40
NECHES RIVER TO SABINE RIVER	26	28	27	26	10-01	200	3.9	30

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18525 NM 14/02

COLUMBIA RIVER CHANNEL DEPTHS
SAINT HELENS TURN TO TOMAHAWK BAR

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JAN 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT COLUMBIA RIVER DATUM (CRD)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
ST. HELENS TURN	43	44	42	38	1-02	600	1.7	40
WARRIOR ROCK RANGE	39	41	42	41	1-02	600	1.3	40
DUCK CLUB TURN	42	41	41	42	1-02	600	1.4	40
HENRICI RANGE	42	42	43	40	1-02	600	2.6	40
FALES CHANNEL	43	42	41	40	1-02	600	1.1	40
KNAPP POINT CHANNEL	43	42	41	39	1-02	600	1.8	40
WILLOW LOWER RANGE	42	41	42	40	1-02	600	2.1	40
WILLOW UPPER RANGE	45	43	43	45	1-02	600	1.1	40
MORGAN TURN	45	45	46	49	1-02	600	1.0	40
MORGAN CHANNEL	44	46	42	42	1-02	600	1.5	40
VANCOUVER LOWER CHANNEL	48	49	53	48	12-01	500	1.0	40
VANCOUVER RANGE	41	40	43	39	12-01	500	1.3	40
VANCOUVER UPPER CHANNEL	43	42	41	42	12-01	500	0.9	40
VANCOUVER LOWER TURNING BASIN	35	37	41	41	12-01	800	1.0	40
VANCOUVER UPPER TURNING BASIN	31	28	31	28	12-01	800	0.9	35
TOMAHAWK BAR	18	18	20	19	10-01	300	3.7	27

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18587 NM 14/02

COOS BAY AND ISTHMUS SLOUGH CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JAN 2002

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE RANGE	39	40	40	8,10-01	---	1.9	47-37
ENTRANCE RANGE AND TURN	38	44	32	10-01	300-1050	0.5	37
INSIDE RANGE	36	37	36	10-01	300	0.6	37
COOS BAY RANGE	36	37	36	10-01	300	1.6	37
EMPIRE RANGE	36	37	39	10-01	300	1.3	37
LOWER JARVIS RANGE	37	36	35	10-01	300	0.8	37
JARVIS TURN	35	39	37	10-01	300	0.5	37
UPPER JARVIS RANGE	32	34	34	10-01	300	1.9	37
NORTH BEND LOWER RANGE	35	37	37	10-01	400	0.4	37
NORTH BEND RANGE	35	37	35	1-02	400	0.9	37
NORTH BEND UPPER RANGE	35	37	36	1-02	400	0.6	37
LOWER TURNING BASIN	34	39	34	1-02	400-800	0.3	37
FERNDALE LOWER RANGE	39	39	37	8-01	400	0.4	37
FERNDALE TURN	32	39	38	8-01	400	0.2	37
FERNDALE UPPER RANGE	13	37	38	8-01	400	0.7	37
MARSHFIELD RANGE	36	36	33	8-01	400	0.4	37
MARSHFIELD RANGE TO ISTHMUS SLOUGH	35	36	34	8-01	150-750	0.9	37
ISTHMUS SLOUGH	19	20	19	4-85	150	2.0	22

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION